I st And Final Bill

M. A. R. 57 (Rule 116) No. E 558770

Measurement Book

Serial No. .....

Name of work ..... Drilling & New Borewell Installation & Motor Commissioning and Laying & Pipeline in Ward No. 08 From ..... To .....

Name of Contractor of nature of Agency Sri. Srikanth. K.S. AAKAR Construction.

Date of commencement of work..... #168. Amco Layout Near GODWIN School. Sahakarnagara Bangalore.

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Est Cost Rs. 10.00 Lakhs.						
	Job Code - 008-20-000073						
	Head of Account - P 1802						
	Work order No. - BBMP/EE/BTP/WO/127/2020-21						
	Date of Recording 30-06-2022						
(1)	Geophysical investigation & site for sinking Borewell for supplying drinking water to the habitation either through the hand pump MWS & PWSS by vertical either through the hand pump MWS scheme including reconnaissance survey & geological formation Geophysical investigation & existing ground water in the vicinity its quality & mea						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	in Consolidated Stratification & Drilling reamed to cover feed depth & aquifer Proposed to be tapped Probable yield and other information reamed including transportation & instrument & accessories to work site engaging technical personal and labours reamed etc.. as per Specifica tio and direction.						
	Division office. BBMP Sahakar Nagara.	1	-	-	-	1 No.,	1750 : 0
(2)	Sinking bore well 8 165 mm dia Clear using Rotary Rate - 1750 : 00 Drilling & Capacity 250 PSI & above in all Strata including overburden up to 20 mts fixing & casing joint pipes casing and cap with weld cutting threading and welding including transportation & Drilling and Supporting Vertical crew charges and cost & consumables e Courtesy including yield Testing as per final depth with a min						

M. A. R. 57 (Rule 116) No. E 558771

Measurement Book

Serial No. .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Number	Dimensions Length	Dimensions Breadth	Depth	Contents	Reference to last Measurement
1	2	3	4	5	6	7	8
	Working & Compressor Set one hours (exceeding Comp. Casing Pipe Coloring Capese..)						
	0 to 50.00 Mtr	1	50.00	–	–	50.00 Mtr.	14000 : 00
			Rate-	280 : 00			
(3)	50 to 100.00 Mtr	1	50.00	–	–	50.00 Mtr	17750 : 00
			Rate-	355 : 00			
(4)	100 to 150.00 Mtr	1	50.00	–	–	50.00 Mtr	20000 : 00
			Rate-	400 : 00			
(5)	150 to 200 Mtr	1	50.00	–	–	50.00 Mtr	
			Rate-	450 : 00			22500 : 00

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
(6)	200 to 250.00 Mtr	1	50.00	-	-	50.00 Mtr	24000 : 0
		Rate - 480 : 00					
(7)	250 to 300.00 Mtr	1	50.00	-	-	50.00 Mtr	26000 :
		Rate - 520 : 00					
(8)	300 to 380.00 Mtr	1	40.00	-	-	40.00 Mtr	44000
		1	40.00	-	-	40.00 Mtr	22000
		Rate - 550 : 00				80.00 Mtr	
(9)	Supplying & LSI work 175 mm nominal bore medium black electric resistance continuous welded mild steel tube manufactured conforming to IS 1387/1993 & maintained from hot rolled steel sheet/strips in random length 4 to 7 mtrs bore ends.	1	54.00	-	-	54.00 Mts	55080 : 0
	Rate - 1020 : 00						

M. A. R. 57 (Rule 116) **No. E** 558772

Measurement Book

Serial No. .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Dimensions			Contents	Reference to last Measurement
		Number	Length	Breadth / Depth		
1	2	3	4	5 / 6	7	8
(10)	Providing and fixing to PVC 6.00 kgs/sqcm working and making good the wall including cost & all materials labour charges TCM & accessories complete. Rate - 1800:00	1	12.00	- -	12.00 Mts	21600:00
(11)	Providing 175 mm dia MS casing cap. Rate - 85:00	1	-	- -	1 No.	85:00

Wall Chasing and floor for Sanitary Pipelines

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
(12)	Providing MS Casing Pipe Covers.	10	-	-	-	10 Nos	1350:00
	Rate. 135:00						
(13)	Supplying and delivery of Size brand new Texmo/Innoval/Lu Sabar/Atlanta/Calamal/make Suitable for vertical installat in 150 mm dia bore well Comprising 3 Stage Stage or multistage CF Pump Close Coupled by means of Stainless Steel Coupling to Suitable HP Suitable.	1	-	-	-	1 No.	63000
	Rate. 63000:00						
(14)	Providing and fixing to wall ceiling and Flooring Galvanise mild Steel fuses (medium grade 1.27 kg/m²) B class 50 mm dia bore with all fittings (Carriage in trenches Pipe measured and

Sample

M. A. R. 57 (Rule 116) **No. E**

Measurement Book

558773

Serial No. .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	and Separately) including Cost & all necessary lead in charges Rate. 470 : 00	46	6.00	-	-	276.00 Mtr	129720 : 00
(15)	Supplying and Drawing 3 core flat PVC sheathed Submersible Pump cable manufactured with electric grade copper with stranded copper conductor conforming to table 3 class 5 of IS 8130-1984 and virgin grade PVC insulation and power coated extruded PVC sheathed heritage. Rate. 160 : 00	1	578.00	-	-	578.00 Mtr	92480 : 00

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
(16)	Labour Charges for erection & new/ prepared Submersible pump sets along with GI pipes including transportation Cable P.No. 558 into 3 bussbar M-15.	46	-	-	-	46 NOS	3450
	Rate - 75:00						
(17)	Supplying and fixing Polished Wood board with out frame Plank made of not less than 15 mm thick Plank after due Planing finishing with necessary on fixing the same to the wall fastened inverted Wooden Plugs Screws etc..	1	-	-	-	1 No.	275
	Rate - 275:00						
(18)	Supplying & 1.1 kV Litz cable having aluminium conductor pvc insulated sheathed Extended inner sheathed galvanised Steel strip Conforming IS 3975 - 1988 & extruded pvc outer						

M. A. R. 57 (Rule 116) **No. E**

Measurement Book

558774

Serial No. .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Shearing armoured Cable 1S 1554 Feet 1:1928 and conforming to CTP & Group						
	Rate. 120 : 00	1	34.00	-	-	34.00 Mtr	4080 : 00
(19)	Labour charges for laying & 1.1 KV Class 2 Cr Cable (No. 61/1 No. 7.8.1 in existing trench duly backfilled to 1 Sq mm) PWD electrical Sr. 2014-15.	1	34.00	-	-	34.00 Mtr	272 : 00
	Rate. 8 : 00						
(20)	Digging & Trenching 0.6m deep x 0.50 mtr wide in refilling the trench to the dreamed ground level and consolidating ese-Compact	1	29.00	-	-	29.00 Mtr	2900 : 00
	Rate. 100 : 00						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
(21)	Supplying and fixing 8 class A (medium duty) GI pipes & wa thickness not less than 3.25 mm on pole (road) drain cross i with necessary clamping arrangements for 4c cable & 1.1 kV cla						
		1	3.00	-	-	3.00 Mtr	855 =
	Rate. 285 : 0						
(22)	Supplying and fixing LT cast iron pot head suitable for Class 4c cable fixed on necessary fasteners insulating com Complete with terminals clamps bolts nuts & washers etc.						
		1	-	-	-	1 No.	250 =
	Rate. 250 : 0						
(23)	Supplying and fixing wiring earth electrode for ground conductor IC carbons and other earthing arrangements on the meter board using nominal dia 2.90 mm thick GI pipe 2.5 mtr long buried in a						

M. A. R. 57 (Rule 116) **No. E**

Measurement Book

558775

Serial No. .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	The Pit should be filled with sand & Proportion & Soot and charcoal 150 mm around the pipe.						
		1	-	-	-	1 No.	2350 : 00
	Rate. 2350 : 00						
(24)	Supplying and fixing 3 Porcelain fuse channel with Cut out existing wooden/Panel using necessary nuts bolts and washer ese.. Complete.						
		3	-	-	-	3 Nos	990 : 00
	Rate. 330 : 00						
(25)	Supplying and fixing 3 heavy duty service cable 1.1kv ese Complete						
		6	-	-	-	6 Nos	450 : 00
	Rate. 75 : 00						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
26	Supplying and fixing Circuit breaker/Isolator on existing MCB distribution boards using necessary fixing accessories Wiring complete as per drawing 5 to 32 Amps triple pole with lead and with loading unloading and labour charges etc complete as per specification.	1	-	-	-	1 No.	1300.00
	Rate. 1300:00						
27	Fabrication supplying and mounting MS box 8 16 SWG suitable for floor/wall mounting dust weather proof with provision for proper heat dissipation provided with hinged front cover complete with tamper proof locking arrangements with suitable size cable with necessary cutout.	1	200.00	1.00	-	200 sqcm.	60.00
	Rate. 0:30						

M. A. R. 57 (Rule 116) No. E 558776

Measurement Book

Serial No. .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Dimensions			Contents	Reference to last Measurement
		Number	Length	Breadth / Depth		
1	2	3	4	5 / 6	7	8
28	Providing and fixing in position 50 mm nominal bore gun metal non return valve horizontal type of approved make including cost & all materials labour and tools & equipments with all leads complete as per specification.	1	-	- -	1 No.	1250:00
	Rate. 1250:00					
29	Providing NP1 CP brass screws conforming to ISI specification and fixing them in position as per direction including cost & materials fixtures and conveyance to work spot etc. complete.	2	-	- -	2 Nos	380:00
	Rate. 190:00					

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
(30)	Base value 50 mm Nominal Bore Gear metal.	3	–	–	–	3 NOS	4350
	Rate. 1450 : 00						
(31)	Supplying and delivery 48 Size brand new steel essel Lock Sure shines (Adarsh) CK Controls best in class heavy make comp energy meter cum Control panel board unit & size 600 x 450 x minimum mechanically strong vermin & water proof sheet shall etc.. Complete.	1	–	–	–	1 NO.	8500
	Rate. 8500 : 00						
(32)	Earth work excavation for foundation & building cum Water Supply Sanitary lines and electrical conduits etc in Pits or in trenches 1.00 mtr and above in width in ordin						

M. A. R. 57 (Rule 116) No. E 558777

Measurement Book

Serial No. .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Dimensions			Contents	Reference to last Measurement
		Number	Length	Breadth / Depth		
1	2	3	4	5 / 6	7	8
	Soil not exceeding 1.50 Mtr in depth in cutting trenches for bottom and sides & Pits and trenches etc. complete. As per Pre-measurement recorded vide Page No. 558795 in This MB. Rate. 135:00				72.00 M³	9720:00
(33)	Sand filling in foundation Trenches as per Drawing and Technical Specification. As per Pre-measurement recorded vide Page No. 558796 in This MB. Rate. 2500:00				14.40 M³	36000:00

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
(34)	Providing and fixing to wall ceeling and floor high dens polyethylene Pipes 6.00 kgs/sqcm working Pressure 50 mm out dia meter with special flange Compression type fitting, Wall making the good the wall ceeing and floor including Cost all mesenials. As per Pre-Measurement recorded vide page no 558796 in this MB. Rate. 320:00					160.00 MRV	51200 :
(35)	Refilling available earth around Pipe lines cables in layers not exceeding 20cm in depth Compacting each deposited layer by ramming after watering with load upto 50 MRV and lift upto 1.50 MRV including cost of all labour compress as per specifi ese. Compress.						

M. A. R. 57 (Rule 116) No. E

Measurement Book

558778

Serial No. .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date 1	Full description, etc, of work 2	Dimensions Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	Quantity vide Item No.				32	72.00	
	Deduction Quantity vide Item no.				33(a)	14.40	
						57.60 M³	4032:00
	Rate. 70:00						
36	Providing laying spreading and compacting graded stone aggregate to wet Mix Macadam Specification including premixing the Mineral Mix water at OMC in Mechanical Mix Plant Carriage & Mixed Mineral by tipper to site laying uniform layers Mix Paver in Sub base.						
	As per Pre-Measurment recorded vide page no. 558797 in this MB.					14.40 M³	27216:00
	Rate. 1890:00						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
37	Cleaning & exposing WBM Road Surface including removi & binding mesenial and other foreign masses with wire brushes and small picks & sweeping with brooms or soft brushe and finally dusting with old gunny bags and or compressed air receive etc.. complete. As per Pre-Measurement recorded vide Page No. 558797 in this MB. Rate: 20:00					95.88 M^2	1917:60
38	Providing and applying Primer Coat for Surfaces of medium Porosity like Cement Stabilized Soil base @ 1.00 kg/sqmtr over prepared Surface with SS bitumen emulsion or equivalent bitumen fami lised with Spray set including cost & mesenials. As per Pre-Measurement recorded vide Page No.. Rate: 45:00 558798 in this MB.					95.88 M^2	4314:60

M. A. R. 57 (Rule 116) **No. E**

Measurement Book

558779

Serial No. .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Number	Dimensions Length	Breadth	Depth	Contents	Reference to last Measurement
1	2	3	4		5	6	7	8
(39)	Providing and laying Semi dense bituminous Concrete using Crushed aggregate & Specified grading premixed with bitumen binder and finer transporting the hot mix to work site laying with a paver finisher to the required grade level and alignment rolling with smooth wheeled vibratory and tandem roller to achieve the desired compaction as per MoRTH Specification Clause No. 508 complete in all respects as per specification using 40-60 TPH capacity HMP with mechanical paver grading (35-40 mm) with 4.5% VG-30 Bitumen. Pipe line Patches.						
		1	26.00	0.60	0.040	0.62	
		1	30.00	0.60	0.040	0.72	
						1.34	

30/6/22

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
		1	22.00	0.60	0.040	0.52	
		1	18.00	0.60	0.040	0.43	
		1	28.00	0.60	0.040	0.67	
		1	26.00	0.60	0.040	0.62	
		1	9.80	0.60	0.040	0.23	
						3.81 M3	28575
	Rate. 7500:00						
			Bescom Deposit. Rs.				14000 :
						Total Rs.	742002 :
	Assistant Executive Engineer Kodigehalli Sub Division BBMP, Bangalore		Add GST 12%.			Rs.	89040 :
						Total Rs.	831042 :

M. A. R. 57 (Rule 116) **No. E** 558780

Measurement Book

Serial No. .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Dimensions			Contents	Reference to last Measurement
		Number	Length	Breadth / Depth		
1	2	3	4	5 / 6	7	8
	certificate -	(1) certified that the work done satisfactory (2) This file Amount has not been claimed in any of previous file.				

30/6/2022

(Contractor)

Assistant Executive Engineer
Kodigehalli Sub Division
BBMP, Bangalore

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Sahakarnagar 9M Main Road.				MAINTE		
			Borewell point				
	B.B.M.P DIVISION OFFICE						

30/6/22

30/6

Assistant Executive Enginee
Kodigehalli Sub Division
BBMP, Bangalore

M. A. R. 57 (Rule 116) **No. E** 558781

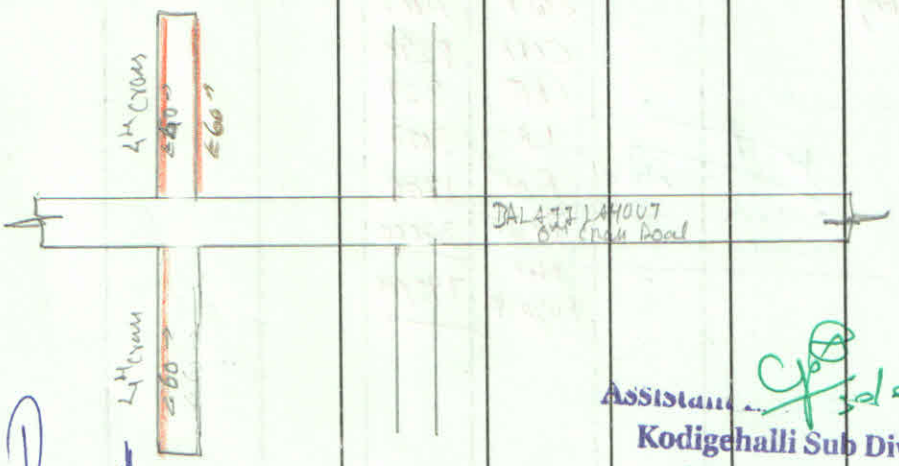
Measurement Book

Serial No. .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Number	Dimensions			Contents	Reference to last Measurement
			Length	Breadth	Depth		
1	2	3	4	5	6	7	8
							

Assistant ...

Kodigehalli Sub Division

BBMP, Bangalore

1st & final

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	PI 802.						
	ಲೆಕ್ಕಶೀರ್ಷಿಕೆ Water Supply Near Ascar ರದಿ		FTB	8,29000			
	ಜಲ್ಲ ಮೊಬಲಗು ರೂ. 8,29,000/- ಮೊತ್ತವು ಜಾನು ಮಾಡಿದೆ		I+	8290			
	ಇದರಲ್ಲಿ ರೂ. 37000/- ರದಿನ್ನು ಹೊಂದಾಣಿಕೆ		CQS+	7402			
	ಮೊತ್ತವೆಂದು ರೂ. 7,92,000/- ರದಿನ್ನು		SQS+	7402			
			Cell	8290			
			CBR	829			
			LR	3087			
			Fine	1700			
			Ded:	37000			
			Net Payable	7,92,000			